

WHAT IS CLAIMED IS:

1. A catheter comprising:
  - a sheath main body portion to be inserted into an organism;
  - a first lumen, which is a passage provided in said sheath
  - 5 main body portion, which has a first axis, and through which
  - a guide wire for guiding said sheath main body portion in
  - said organism can be passed, said first lumen comprising a
  - first distal end opening portion, which is provided on the
  - distal end side in the direction of insertion into said organism
  - 10 and through which said guide wire can be passed, and a first
  - proximal end opening portion, which is provided on the proximal
  - end side and through which said guide wire can be passed;
  - a sheath distal end portion provided at a distal end
  - portion of said sheath main body portion; and
  - 15 a second lumen being a passage different from said first
  - lumen, said second lumen being provided in said sheath distal
  - end portion, said second lumen comprising a second distal
  - end opening portion and a second proximal end opening portion
  - through which a guide wire can be passed, and said second
  - 20 lumen having a second axis different from said first axis;
  - wherein
    - said second proximal end opening portion of said second
    - lumen is provided on the distal end side in relation to a
    - position at a distance of 60 mm from said first distal end
    - 25 opening portion of said first lumen to the proximal end side
    - in said insertion direction.
2. The catheter as set forth in claim 1, wherein said
- second proximal end opening portion of said second lumen is
- provided on the distal end side in relation to a position
- 30 at a distance of 5 mm from said first distal end opening portion
- of said first lumen to the proximal end side in said insertion
- direction.

3. The catheter as set forth in claim 1, wherein the spacing between said second proximal end opening portion of said second lumen and said first distal end opening portion of said first lumen is in the range of 2.5 to 10 mm.

5        4. The catheter as set forth in claim 1, wherein said first distal end opening portion of said first lumen is opened into the passage of said second lumen.

5. The catheter as set forth in claim 1, wherein said first distal end opening portion of said first lumen is opened  
10 to the exterior of the passage of said second lumen.

6. The catheter as set forth in claim 1, wherein an imaging core provided with an ultrasonic transducer at the distal end of said imaging core and enabling observation of the inside of said organism can be passed through said first  
15 lumen, in place of said guide wire.

7. The catheter as set forth in claim 6, wherein said imaging core is covered with a protective tube.